

FIG.1

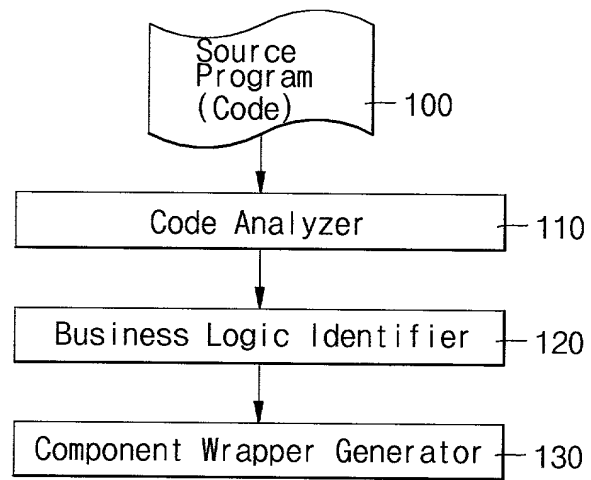


FIG.2

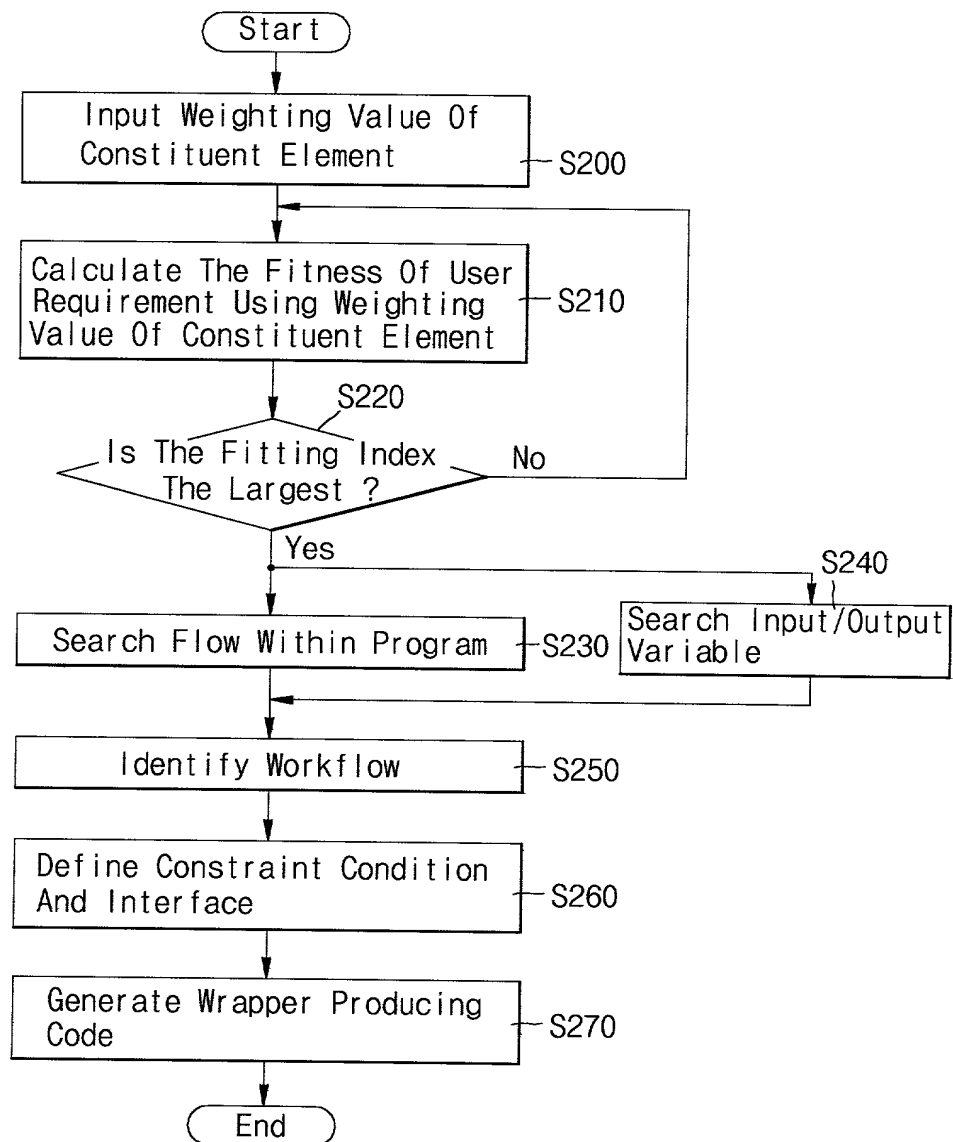


FIG.3a

	Usage Group	Structural Elements	Weight	
300	Program	External Call	W1	301
		Screen I/O	W2	302
310	Mathematics	Math Input	W3	311
		Math Output	W4	312
		Math Operation	W5	313
320	DataSet	Read	W6	321
		Write	W7	322
		Delete	W8	323
		Update	W9	324

FIG. 3b

Business Logic Factors	
<p>Program Usage</p> <p>External Call <input type="checkbox"/> -5-4-3-2-1 0 1 2 3 4 5</p> <p>Screen I/O <input type="checkbox"/> -5-4-3-2-1 0 1 2 3 4 5</p>	<p>Math</p> <p>Math Input <input type="checkbox"/> -5-4-3-2-1 0 1 2 3 4 5</p> <p>Math Output <input type="checkbox"/> -5-4-3-2-1 0 1 2 3 4 5</p> <p>Math Operation <input type="checkbox"/> -5-4-3-2-1 0 1 2 3 4 5</p>
<p>DataSet</p> <p>Dataset Read <input type="checkbox"/> -5 -4 -3 -2 -1 0 1 2 3 4 5</p> <p>Dataset Write <input type="checkbox"/> -5 -4 -3 -2 -1 0 1 2 3 4 5</p> <p>Dataset Delete <input type="checkbox"/> -5 -4 -3 -2 -1 0 1 2 3 4 5</p> <p>Dataset Update <input type="checkbox"/> -5 -4 -3 -2 -1 0 1 2 3 4 5</p>	

FIG.4

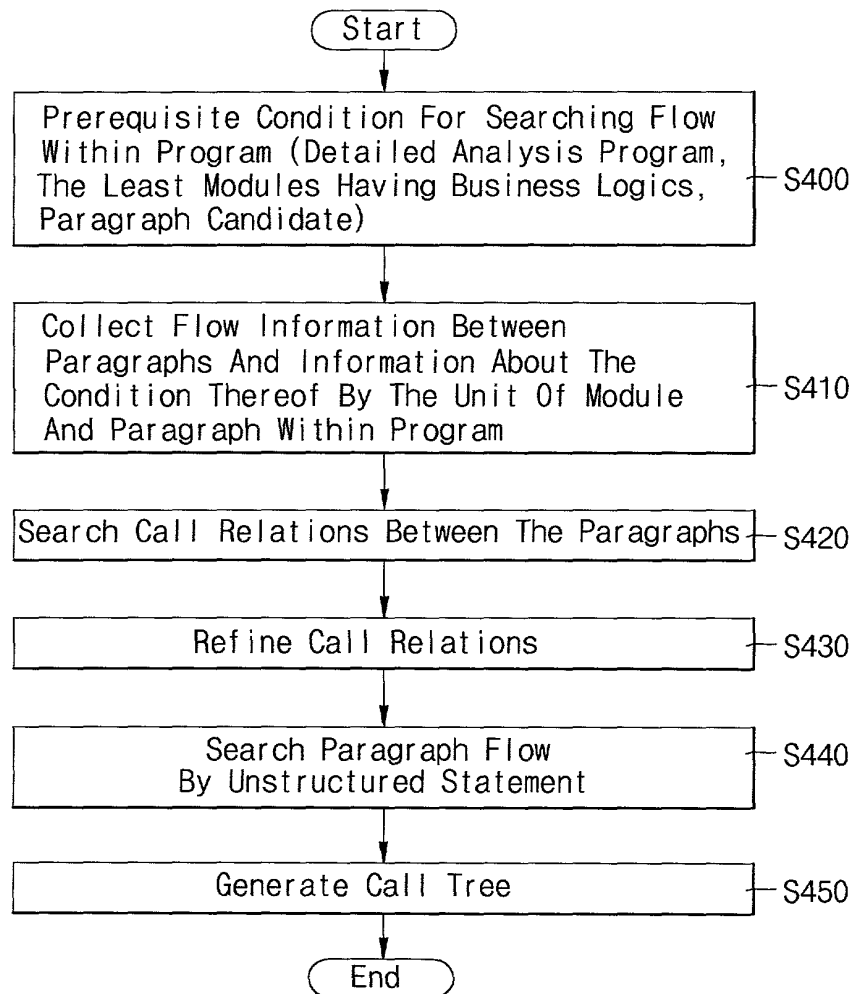


FIG.5a

```

ID          DIVISION.
PROGRAM-ID. KCBG0203.
ENVIRONMENT DIVISION.
DATA        DIVISION.
WORKING-STORAGE SECTION.
01 REC-TERM. COPY KCBB0004.
  01 REC-COMMAREA.
    02 CA-CTRL-GROUP.
    03 CA-SECT-CODE PIC9(1).

```

⋮

```

LINKAGE          SECTION.
  01 DFHCOMMAREA.
    02 DC-CTRL-GROUP PIC X(12).
    02 DC-DATA-GROUP PIC X(48).

```

⋮

```

PROCEDURE          DIVISION.
0000-SECTION-CONTROL.
  MOVE ZERO TO REC-WORK-COND.
  MOVE DFHCOMMAREA TO REC-COMMAREA.

```

⋮

```

2400-CHEORI-CONTROL.
  IF CA-FUNC-CD-1 = 1
    PERFORM 2410-INSERT-CHEOPI
  ELSE
    IF CA-FUNC-CD-1 = 2
      PERFORM 2420-REPLACE-CHEOPI
    ⋮
  } 500

```

```

2420-REPLACE-CHEORI.
  IF CA-FUNC-CD-2 = 2
    PERFORM 2421-INSERT-REPLTERM.
  MOVE CA-BASE-KEY TO ZT-KEY-GROUP.
  ⋮
  } 510

```

FIG. 5b

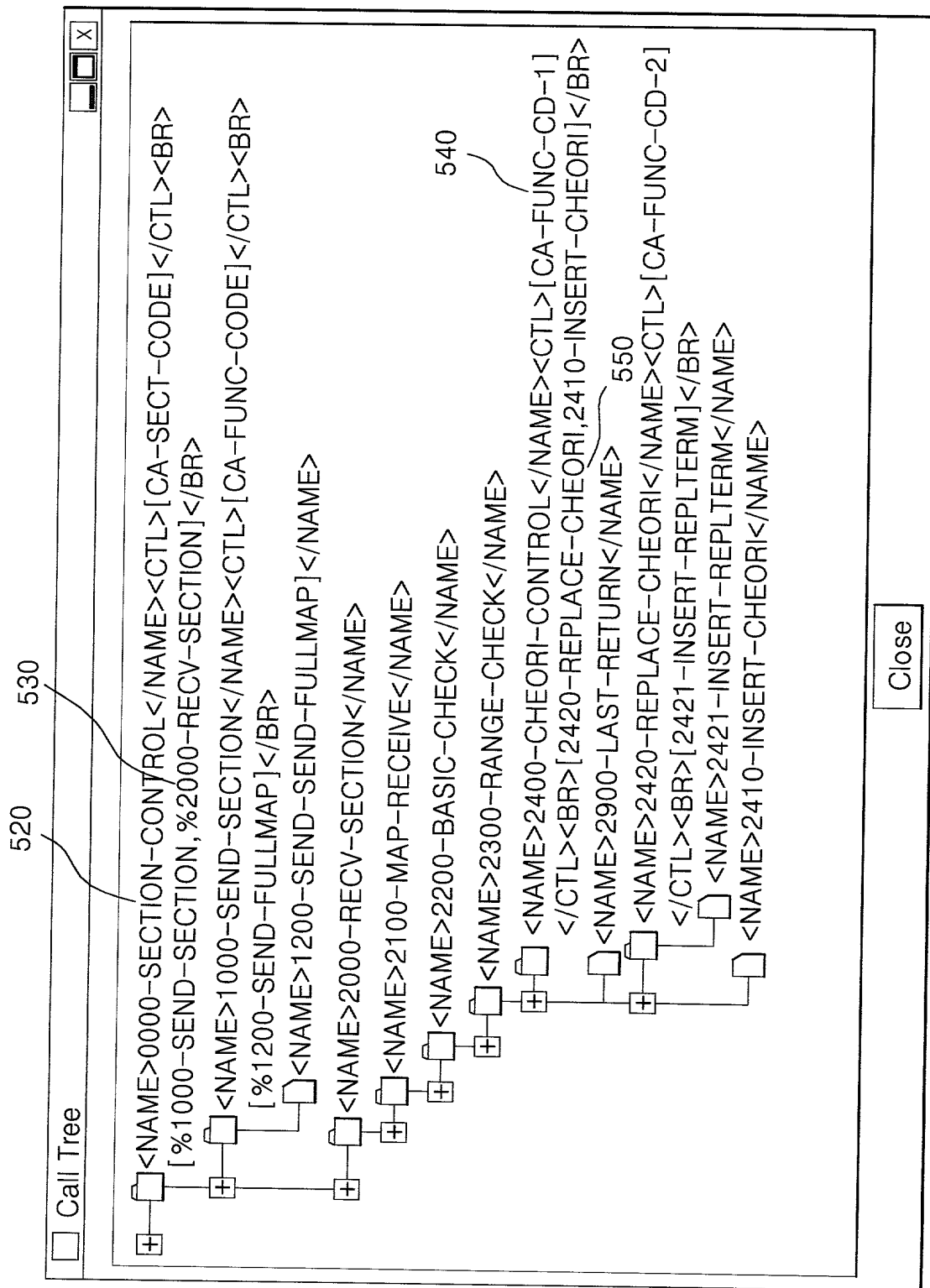


FIG.6

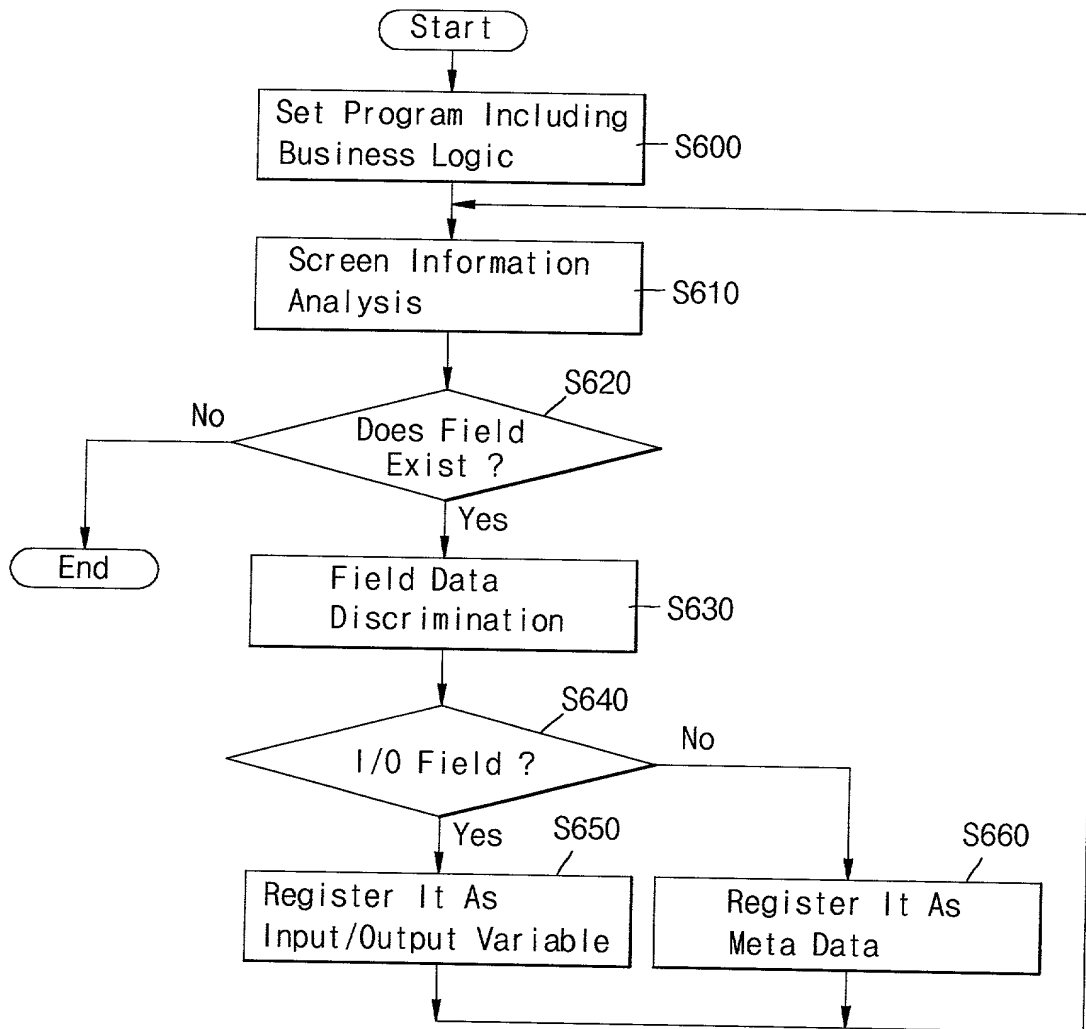


FIG.7

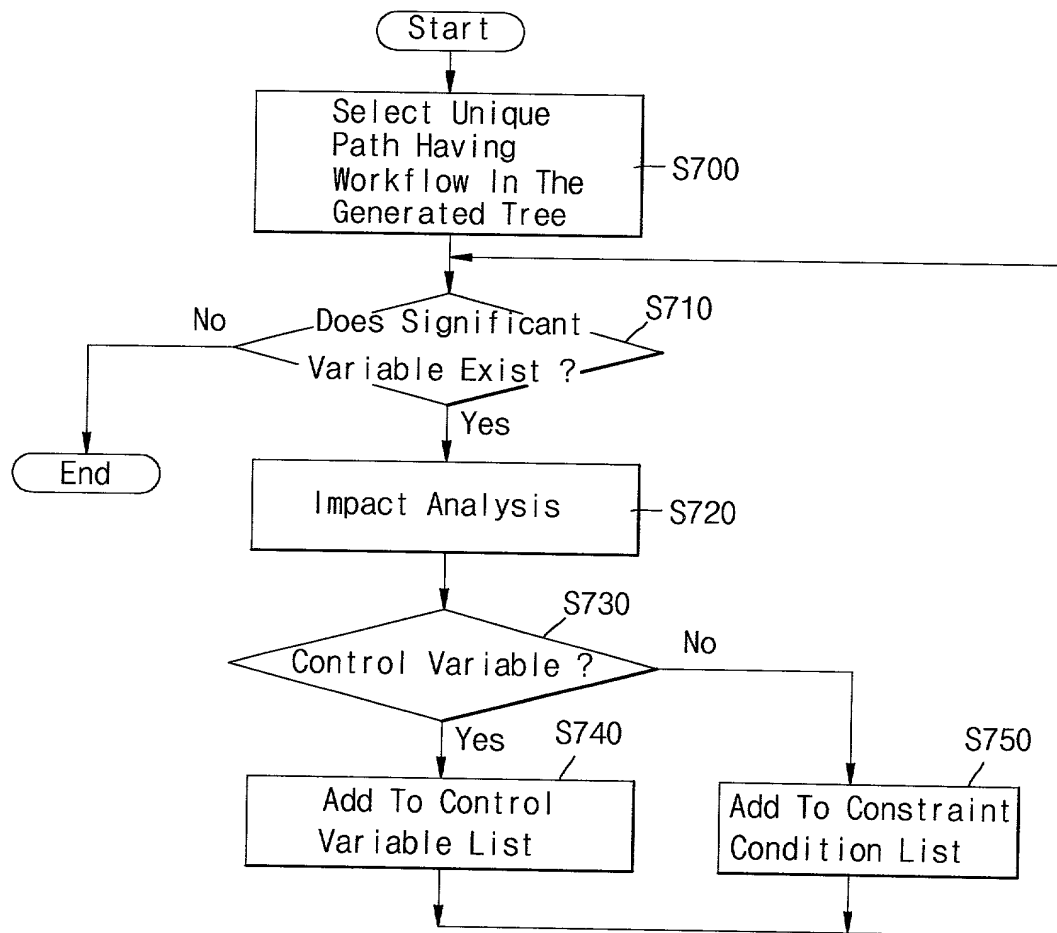


FIG.8

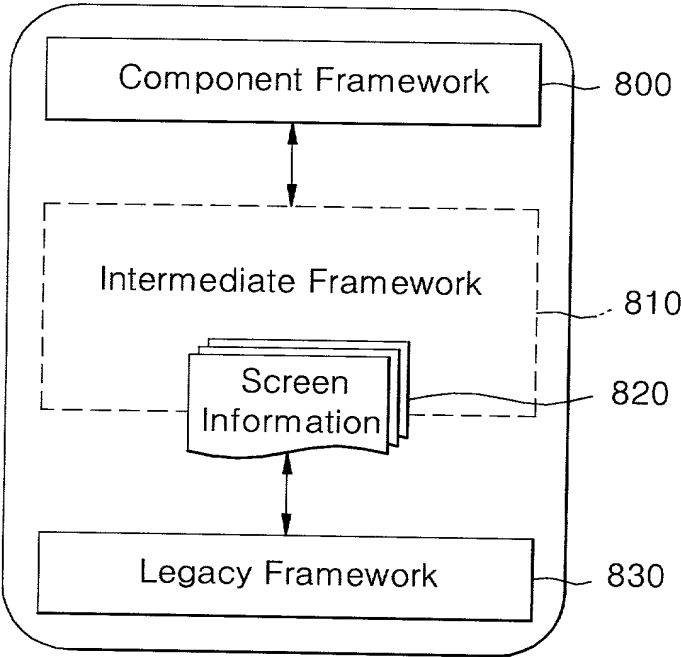


FIG.9

